3-D RECURSIVE VECTOR ESTIMATION FOR VIDEO ENHANCEMENT

ABSTRACT OF THE DISCLOSURE

5   A video signal processor enhancing video information evaluates candidate vectors of enhancement algorithms utilizing an error function biased towards spatio-temporal consistency with a penalty function. The penalty function increases with the distance--both spatial and temporal--of the subject block from the block for which the candidate vector was optimal. Enhancements are therefore gradual across both space and time and the enhanced video information is intrinsically free of perceptible spatio-temporal varying artifacts.